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0203 **Calder, I. R.; Wright, I. R.; and Murdiyarso, D.** A study of evaporation from tropical rain forest; West Java 89(1-2): 13-31

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0210 **Campbell, S. Y.; Parlange, J. Y.; and Rose, C. W.** Overland flow on converging and diverging surfaces; kinematic model and similarity solutions 67(1-4): 367-374

0211 **Campbell, S. Y.; van der Molen, W. H.; Rose, C. W.;** *et al.* A new method for obtaining a spatially averaged infiltration rate from rainfall and runoff rates 82(1-2): 57-68

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0242 **Cherry, J. A.; Gillham, R. W.; Anderson, E. G.;** *et al.* Migration of contaminants in groundwater at a landfill; a case study; 2, Groundwater monitoring devices 63(1-2): 31-49

0243 **Chesterikoff, A.; Lecolle, P.; Letolle, R.;** *et al.* Sulfur and oxygen isotopes as tracers for the origin of sulfate in Lake Creteil (southeast of Paris, France) 54(1-3): 141-150

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0340 **Dolman, A. J.** Summer and winter rainfall interception in an oak forest; predictions with an analytical and a numerical simulation model 90(1-2): 1-9

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0446 **Greenwood, E. A. N.; Klein, L.; Beresford, J. D.;** *et al.* Evaporation from the understorey in the jarrah (Eucalyptus marginata Don ex Sm.) forest, southwestern Australia 80(3-4): 337-349

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0715 **Lindstrom, F. T.; and Piver, W. T.** Vertical-horizontal transport and fate of low water solubility chemicals in unsaturated soils 86(1-2): 93-131

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0999 **Schwartz, F. W.; and Milne-Home, W. A.** Watersheds in muskeg terrain; 2, Evaluations based on water chemistry 57(3-4): 291-305

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1012 **Serrano, S. E.; Unny, T. E.; and Lennox, W. C.** Analysis of stochastic groundwater flow problems; Part II, Stochastic partial differential equations in groundwater flow; a functional-analytic approach 82(3-4): 265-284

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1060 **Soares, E. F.; Unny, T. E.; and Lennox, W. C.** Conjunctive use of deterministic and stochastic models for predicting sediment storage in large reservoirs; 3, Application of the two models in conjunction 59(1-2): 107-121

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